

TIME SHIFT DATA ANALYSIS FOR
LONG-RANGE GUIDED WAVE INSPECTION

ABSTRACT OF THE DISCLOSURE

5 A method of analysis long range guided wave data
reflected from defects and geometric features such as
welds in a structure. The method involves acquiring two
sets of data, and time shifting one set of data relative
to the other. Data points that match in time after the
shifting are considered to represent defects or geometric
features in the structure. The result of the method is
exclusion of false signal data and automation of data
10 analysis.